

Samir R. Tout, Ph.D.

Undergraduate Institution(s)	University of Western Ontario	Network Routing using Shortest Path.	B.Sc.	1992
Graduate Institution(s)	University of Western Ontario	Entropy-Based Image Compression	M.Sc.	1993
	Nova Southeastern University	Clustering in Data Mining	Ph.D.	2006
Appointments	Associate Professor, School of Technology Studies – Information Assurance			2009
	Senior Consultant, GM OnStar – Compuware			2008
	Adjunct Professor, Computer Science Department, EMU			2006
	Senior Consultant, GMAC Financial Services - Keane			2006
	Technical Director, Ministry of Finance-Lebanon			2000
	Lead Systems Analyst, Z-Tek - Lebanon			2000
	Programmer Analyst, Unisys, Plymouth, Michigan			1996
	Software Engineer, Perle Systems, Markham, Ontario, Canada			1995

Publications

- Tout, S., Sverdlik, W., & Sun, J. (2006). Parallel hybrid clustering using genetic programming and multi-objective fitness with density (PYRAMID). *Proceedings of the 2006 International Conference on Data Mining (DMIN'06), Las Vegas, NV, USA*, pp. 197-203.
- Tout, S., Sverdlik, W. (2007). Clustering using Genetic Programming. *Proceedings of the 2007 Michigan Academy of Science*.
- Tout, S., Sverdlik, W., & Sun, J. (2007). Cluster detection with the PYRAMID algorithm. *Proceedings of the 2007 IEEE Symposium on Computational Intelligence and Data Mining, Hawaii, USA*.
- Tout, S., Sverdlik, W., & Sun, J. (2007a). Cluster Detection of Special Datasets using the PYRAMID Algorithm. *Proceedings of IAENG International Multi-Conference of Engineers and Computer Scientists*, March 21-23, 2007, pp. 812-817. (Chosen for publication in the special issue of the IAENG Journals)
- Tout, S., & Higgins, M. (2007). Web Services Conversion, Security Enhancements - Experience Report. *Proceedings of the 2007 IEEE SOA Industry Summit (SOAIS 2007), Salt Lake City, Utah, July 2007*.
- Tout, S., Sverdlik, W., & Sun, J. (2007b). Current Trends in Intelligent Systems and Computer Engineering. *IMECS'07*.
- Tout, S., Sverdlik, W., & Sun, J. (2007c). A Hybrid Approach to Cluster Detection. *IAENG International Journal of Computer Science*, Volume 34 Issue 1, pp. 105-110
- Tout, S., Sverdlik, W., & Sun, J. (2008). *Trends in Intelligent Systems and Computer Engineering*. Springer Science+Business Media, LLC 2008. Vol. 6, Chapter 42, pp. 619-636.
- Tout, S. & Basal, A. (2009). E-Security Global Governance. Accepted to be published in the proceedings of ECDC'09 Conference, Kuala Lumpur, Malaysia, Nov 2009.

Synergistic Activities

Journal Review, The International Journal for Computers and Their Applications, 2006
Lecturer, Programming Languages (English) and Mathematics (French), Laurentian University, Sudbury, Ontario, Canada, 1989-1990.
Lecturer, Data Structures and Algorithms, University of Western Ontario, London, Ontario, Canada, 1992-1993.
Lecturer, University of Balamand, North Lebanon, 1997-1998.

Collaborators

Dr. William Sverdlik, Professor, Computer Science Department, EMU
Dr. Junping Sun, School of Computer & Information Sciences, NSU
Michael Higgins, Chief Architect, Keane-GMAC
Abderrahim Basal, Nextk12 Inc

Other Affiliations

Innovations Committee Chairman – Keane, 2006
Community Volunteerism
IEEE Professional Membership
PMI Professional Membership, PMP Certified
AOGEA Membership, TOGAF Certified
ITIL Foundation Certified
Two GM CIO Awards

Industry Experiences

Over 14 years of IT experience in various technologies, including: Software Design and Architecture, Java, J2EE, Service Oriented Architecture, Web Services, Web Standards, Security Standards and Applications, Mobile Applications (BlackBerry Java Development Environment and MDS as well as iPhone applications using Objective-C.), Programming Languages, Microsoft Technologies, Quality Assurance and Capacity Planning, Team Leadership.